

**APPENDIX D**  
**USEFUL INFORMATION**

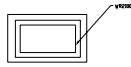
1st Digit (per Cabling SRD)				
No.				
1	Unassigned			
2	Personnel Protection System (PPS) & Target Protection System (TPS)			
3	Front End Systems			
4	Linac Systems (cold and warm)			
5	Ring and Transfer Line Systems			
6	Target Systems (including dumps)			
7	Instruments			
8	Conventional Facilities			
9	Integrated Controls Systems			
2nd Digit				
No.	Front End and Linac	Ring & Transfer Lines	PPS/TPS	Integ Control Sys
1	RF Power	RF Power and Controls	PPS	Ntwk backbone cabling
2	RF Controls	Extraction Kicker	PPS	Ntwk drops to IOCs
3	Cryogenics	Magnet HEBT	PPS	Ntwk drops to FE PLCs
4	Magnet Linac	Magnet Ring	PPS	Ntwk drops to Ring PLCs
5	Cooling water sys	Magnet RTBT	PPS	Ntwk drops to Linac PLCs
6	Diagnostics	Diagnostics	TPS	Ntwk drops to Tgt PLCs
7	Vacuum	Vacuum	TPS	Ntwk drops to Cryo PLCs
8	Miscellaneous	Miscellaneous	TPS	Ntwk drops to CF PLCs
9	Controls	Controls	TPS	Ntwk drops to PPS PLCs
2nd digit Definitions				
	RF	RF power for the Linac, RF power and controls for the Ring		
	RF Controls	Low Level RF controls for the Linac		
	Magnet Linac	Power & controls signals		
	Magnet HEBT	Power & controls signals		
	Magnet RTBT	Power & controls signals		
	Magnet Ring	Power & controls signals		
	Extraction Kicker	Extraction Kicker and PFN cabling		
	Diagnostics	All cabling in beam diagnostics systems		
	Vacuum	Power & controls signals		
	Cooling water systems	Power & controls signals		
	Cryogenics	Power & controls signals		
	Miscellaneous	Unassigned numbers to be used as needed		
	Controls	Controls signals not included in areas above		
3rd Digit				
No.	Front End and Linac	Ring & Transfer Lines (1)		
A	Ions Source			
B	RFQ			
C	LEBT			
D	MEBT			
E	DTL			
F	CCL			
G	MB SCL			
H	HB SCL			
J	SC warm sect's			
K	CHL			
L		HEBT		
M		Ring		
N		RTBT		
1		VLLS - diagnostics and other very low level signals		
2		LLS - low level signal and communications		
3		120 - 480VAC Power		
4		< 600 VDC magnet and other power		
5		> 600 VDC pulse and other power		
6		> 600 VAC Power		
7		RF Power		
8		Unassigned		
9		Ground		

(1) Anywhere voltages are designated, these numbers should be used.

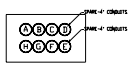
## Cable Number Block Assignments

1st	2nd	3rd	System, Subsystem, or Area	Lab	Person
1			Not assigned		Les Ottinger
2			Personnel & Target Protection systems (PPS)/(TPS)	SNS	
	1-5		PPS		Paul Wright
	6-9		TPS		Ron Battle
3			Front End Systems (1)	LBNL	Bill Abraham
	1		RF	LBNL	Bill Abraham
	2		RF Controls	LBNL	Bill Abraham
	3		Cryogenics	LBNL	Bill Abraham
	4		Magnet Linac	LBNL	Bill Abraham
	5		Cooling water sys	LBNL	Bill Abraham, Steve Lewis
	6		Diagnostics	LBNL	Bill Abraham
	7		Vacuum	LBNL	Bill Abraham, Steve Lewis
	8		Miscellaneous	LBNL	Bill Abraham
	9		Controls	LBNL	Steve Lewis
4			Linac Systems (1)	LANL	Jack Gioia
	1		RF	LANL	Paul Tallerico
	2		RF Controls	LANL	Amy Reagan
	3		Cryogenics	LANL	
	4		Magnet Linac	LANL	Jack Gioia
	5		Cooling water sys		
		E,F	DTL & CCL	LANL	John Bernardin, Bob Dalesio
		G-K	MB, HB, CHL, & Warm Sections	JLAB	John Hogan, Herb Strong
	6		Diagnostics	LANL	Mike Plum
	7		Vacuum		
		E,F	DTL & CCL	LANL	John Bernardin, Bob Dalesio
		G-K	MB, HB, CHL, & Warm Sections	JLAB	John Hogan, Herb Strong
	8		Miscellaneous	LANL	Jack Gioia
	9		Controls		
		E,F	DTL & CCL	LANL	Bob Dalesio
		G-K	MB, HB, CHL, & Warm Sections	JLAB	Herb Strong
5			Ring and Transport Systems	BNL	PK Feng
	1		RF	BNL	Alex Zaltman
	2		Extraction Kicker	BNL	PK Feng
	3		Magnet HEBT	BNL	Ioannis Marneris
	4		Magnet Ring	BNL	PK Feng
	5		Magnet RTBT	BNL	Jian Lin Mi
	6		Diagnostics	BNL	Pete Cameron
	7		Vacuum	BNL	Lorilei Smart, John Smith
	8		Miscellaneous	BNL	PK Feng
	9		Controls	BNL	John Smith
6			Target Systems	ORNL	Ron Battle
			Controls	ORNL	Ron Battle
			Cold Source	ORNL	Allen Crabtree
			Remote Control	ORNL	Mark Renich
7			Experiment Systems	SNS	Rick Riedel
8			Conventional Facilities Systems	SNS	Les Ottinger
	1-8		Power, Fire Alarm, Security, Office Network, etc.	SNS	Les Ottinger
	9		CF Controls	SvT	Randall Steadmon
9			Integrated Control Systems		Bill DeVan

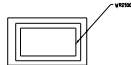
(1) 3rd digit exists for all accelerator areas, but is only shown where needed to assign blocks of numbers.



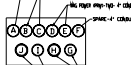
Detail 1  
RFG WG Access  
RFG-1  
Thru FE Bid Wall  
(1 Place)



Detail 2  
RFG Utility Access  
RFG-1  
Thru FE Bid Wall  
(1 Place)



Detail 1  
DTL WG Access  
DTL-1&2  
Thru FE Bid Wall  
(2 Places)



Detail 2  
DTL Utility Access  
DTL-1&2  
Thru FE Bid Wall  
(2 Places)

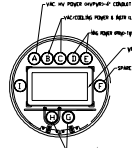


Figure 1  
DTL WG Chase  
DTL-3,4,5,6  
Chase# 1,2,5,6  
Chase Name=WC-DTL3, WC-DTL4, WC-DTL5, & WC-DTL6  
(4 Places)

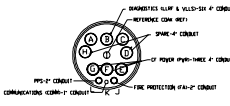


Figure 2  
DTL Ref. Coax & CF  
DTL  
Chase# 4  
Chase Name = LC-DTL5  
(1 Place)

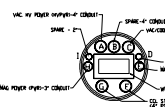


Figure 4a  
CCL WG Chase  
CCL-2,4,6,8  
Chase# 10,15,19,23  
Chase Name=WC-CCL1B,WC-CCL2B,WC-CCL3B,  
WC-CCL4B  
(4 Places)

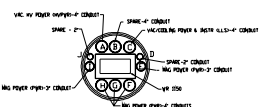


Figure 4b  
CCL WG Chase  
CCL-1,3,5,7  
Chase# 9,14,18,22  
Chase Name=WC-CCL1A,WC-CCL2A,WC-CCL3A,  
WC-CCL4A  
(4 Places)

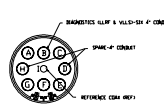


Figure 3  
CCL Ref. Coax & MAO  
CCL  
Chase# 8 & 13  
Chase Name=LC-CCL1 & LC-CCL2  
(2 Places)



Figure 5  
CCL Ref. Coax  
CCL  
Chase# 21  
LC-CCL4  
(1 Places)

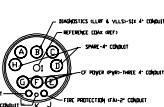


Figure 2  
CCL Ref. Coax & CF  
CCL  
Chase# 17  
Chase Name = LC-CCL3  
(1 Place)

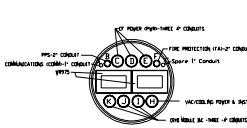


Figure 9  
SC-MB WG Chase  
SC-MB-2 & 6  
Chase# 28 & 39  
Chase Name=WC-MB2A & WC-MB6A  
(2 Places)

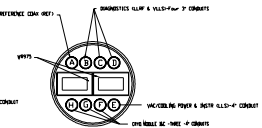


Figure 6  
SC-MB WG Chase  
SC-MB-1,3,4,5,7,8,9,10,11  
Chase# 25,28,30,32,36,39,41,43,47,49,51  
Chase Name=WC-MB1A,WC-MB3A  
WC-MB4A,WC-MB5A,WC-MB7A,  
WC-MB8A,WC-MB9A,WC-MB10A & WC-MB11A,  
(9 Places)

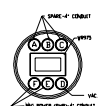


Figure 7  
SC-MB WG Chase  
SC-MB-1,2,3,4,5,6,7,8,9,10,11  
Chase# 27,29,31,33,37,40,42,44,46,50,52  
Chase Name=WC-MB1B,WC-MB2B,WC-MB3B  
WC-MB4B,WC-MB5B,WC-MB6B,WC-MB7B,  
WC-MB8B,WC-MB9B,WC-MB10B & WC-MB11B,  
(10 Places)

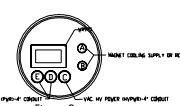


Figure 8  
SC-MB WG Chase  
SC-MB-8  
Chase# 44  
Chase Name=WC-MB8B  
(1 Places)

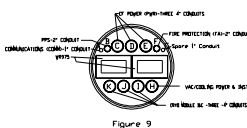


Figure 9  
SC-MB WG Chase  
SC-MB-1,3,13,16, & 19  
Chase# 25,28,34,102, & 110  
Chase Name=WC-MB1A,WC-MB8A, WC-MB13A,  
WC-MB16A, & WC-MB19A  
(9 Places)

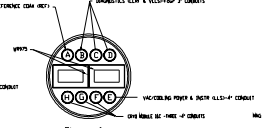


Figure 6  
SC-MB WG Chase  
SC-MB-2,3,4,5,6,7,9,10,11,12,14,15,17,18,20, & 21  
Chase# 29,41,53,67,77,102,106,108,109,114,106,112, & 116  
Chase Name=WC-MB2A,WC-MB3A,WC-MB4A,WC-MB5A,  
WC-MB6A,WC-MB7A,WC-MB9A,WC-MB10A,WC-MB11A,WC-MB12A,  
WC-MB14A,WC-MB15A,WC-MB17A,WC-MB18A  
WC-MB20A & WC-MB21A,  
(16 Places)

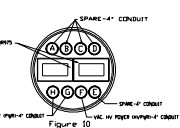


Figure 10  
SC-MB WG Chase  
SC-MB-1 Thru 21  
Chase# 56,60,62,64,68,74,78,81,83,87,89,  
Chase# 91,95,97,99,103,105,107,111,113,117  
Chase Name=WC-MB1B,WC-MB2B,  
Thru WC-MB21B  
(21 Places)

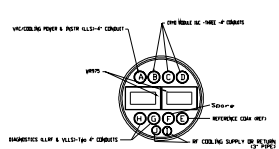


Figure 11a of WR 975 WG  
HEBT WG Chase  
HEBT-1&2  
Chase# 121  
Chase Name=WC-HEBT1&2  
(1 Place)

## Chase Section Views

SK-GAJ-112800-01, Rev. 2, 8-2-01

## Alternative Input for the Cable Assembly Tracking System

[illegible]